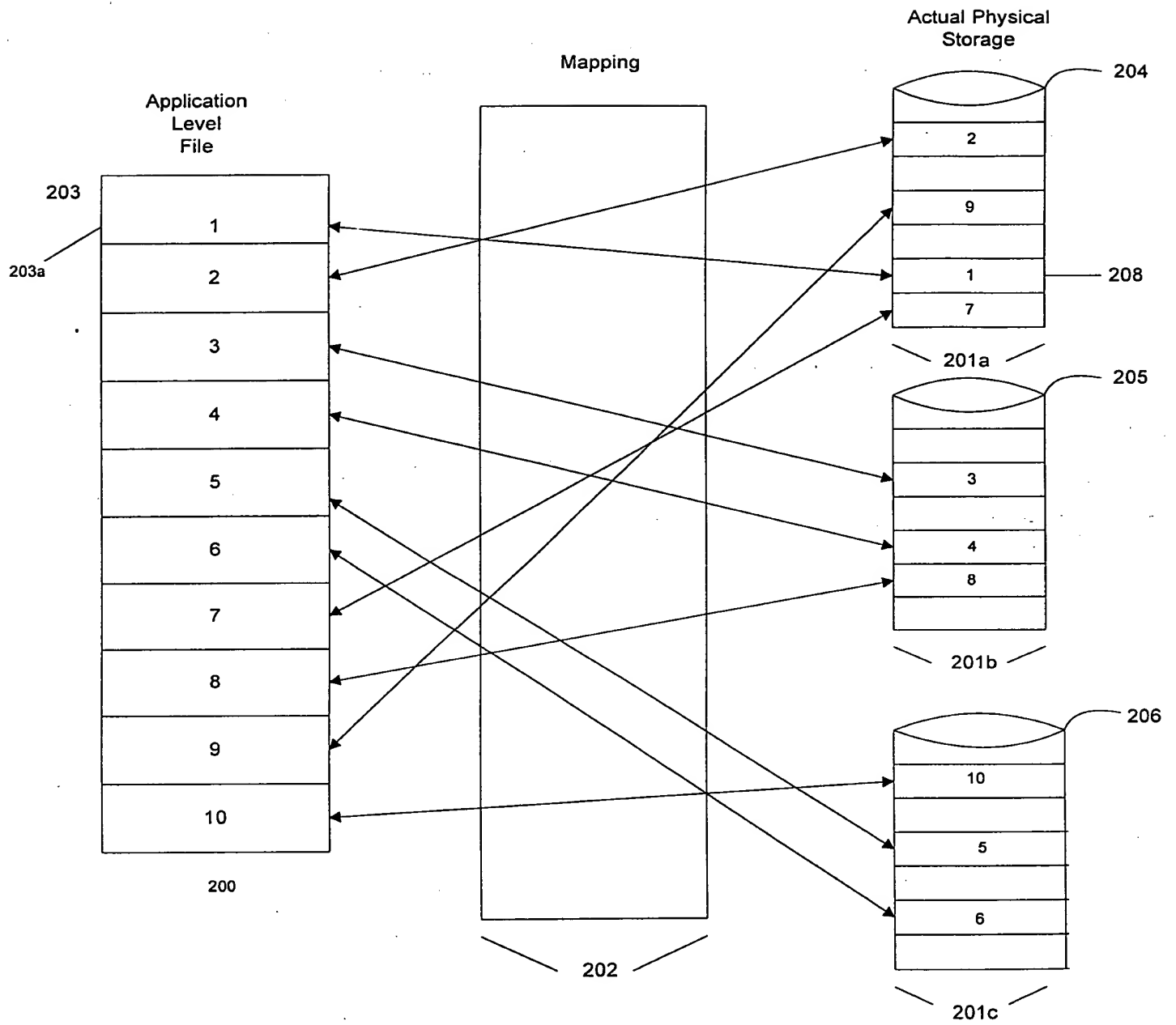


```
graph TD; 10[Application] <--> 12[File System]; 12 <--> 14[Logical Volume Manager]; 14 <--> 16[Physical Storage System];
```

The diagram illustrates a storage architecture with four components arranged vertically, connected by bidirectional arrows. The components are labeled with reference numerals 10, 12, 14, and 16. The top component is the **Application** (10), which connects to the **File System** (12). The **File System** (12) connects to the **Logical Volume Manager** (14). The **Logical Volume Manager** (14) connects to the **Physical Storage System** (16). The **Physical Storage System** (16) is the bottom-most component.



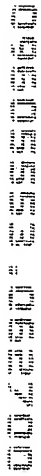
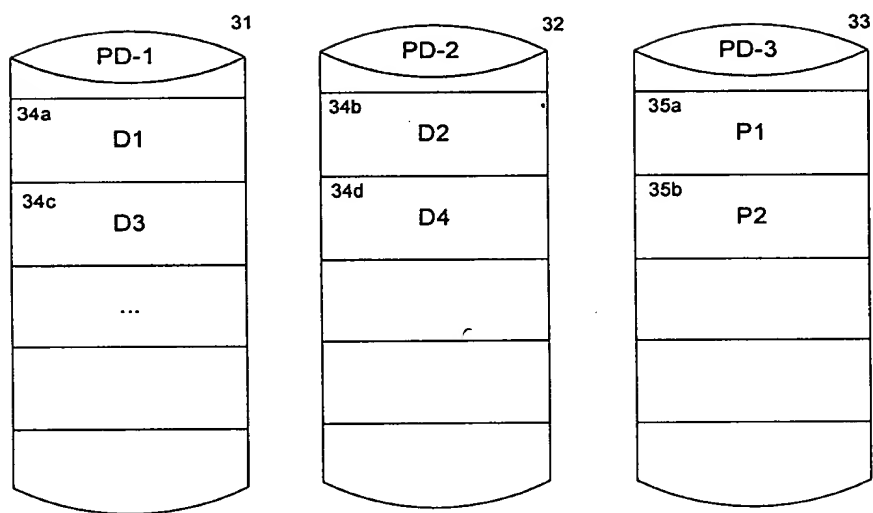
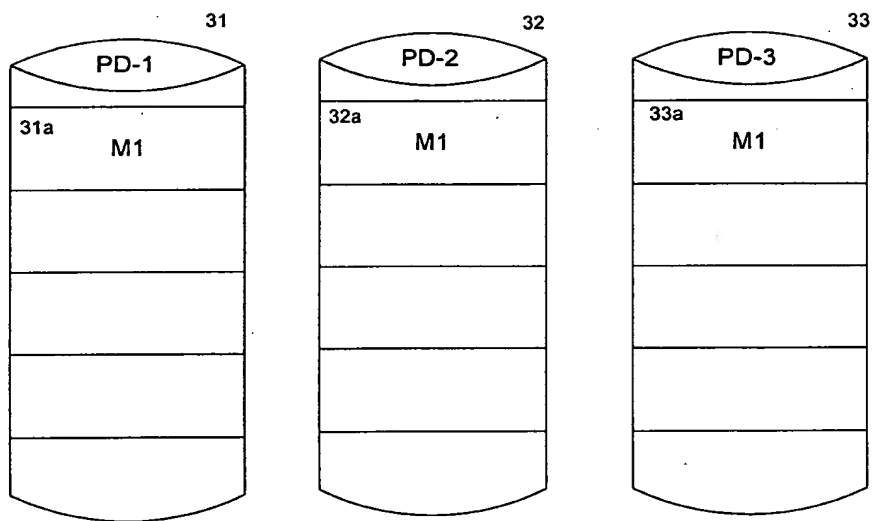


FIG. 2C



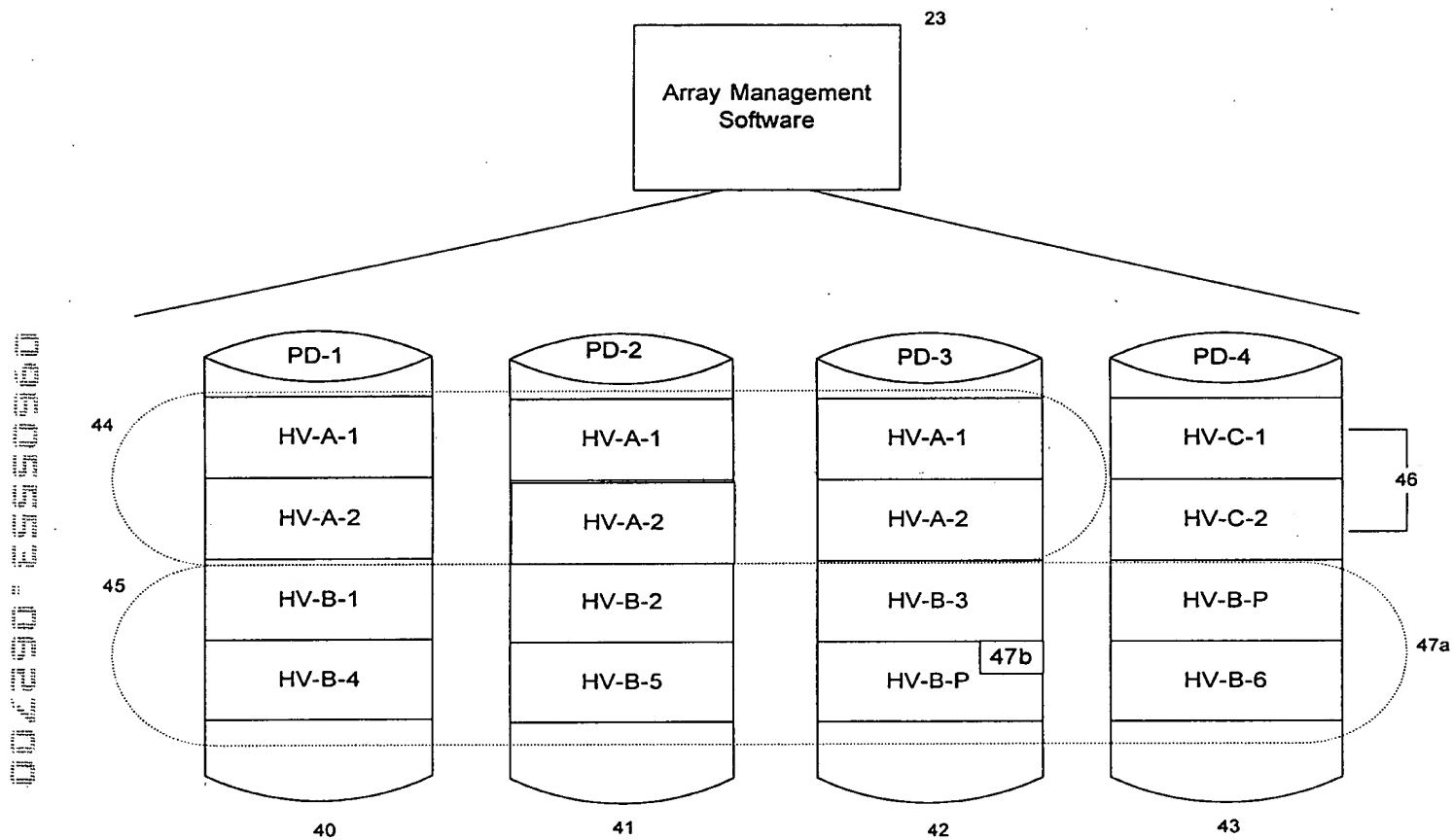


FIG. 4 (PRIOR ART)

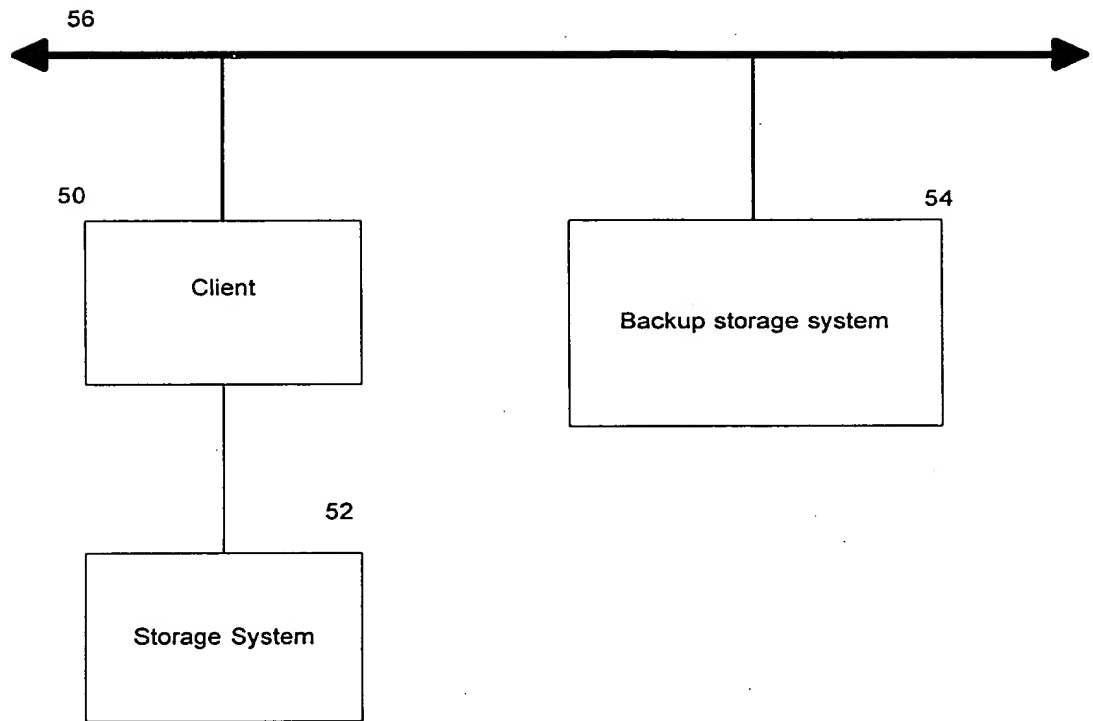


FIG. 5

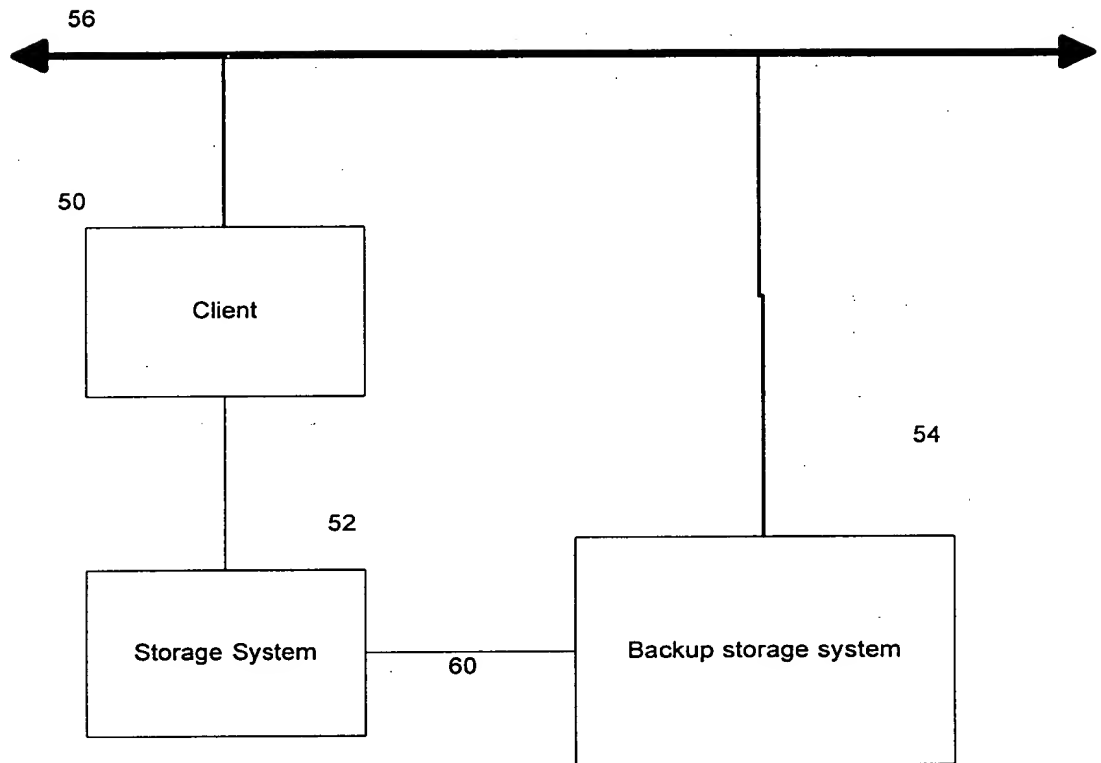


FIG. 6

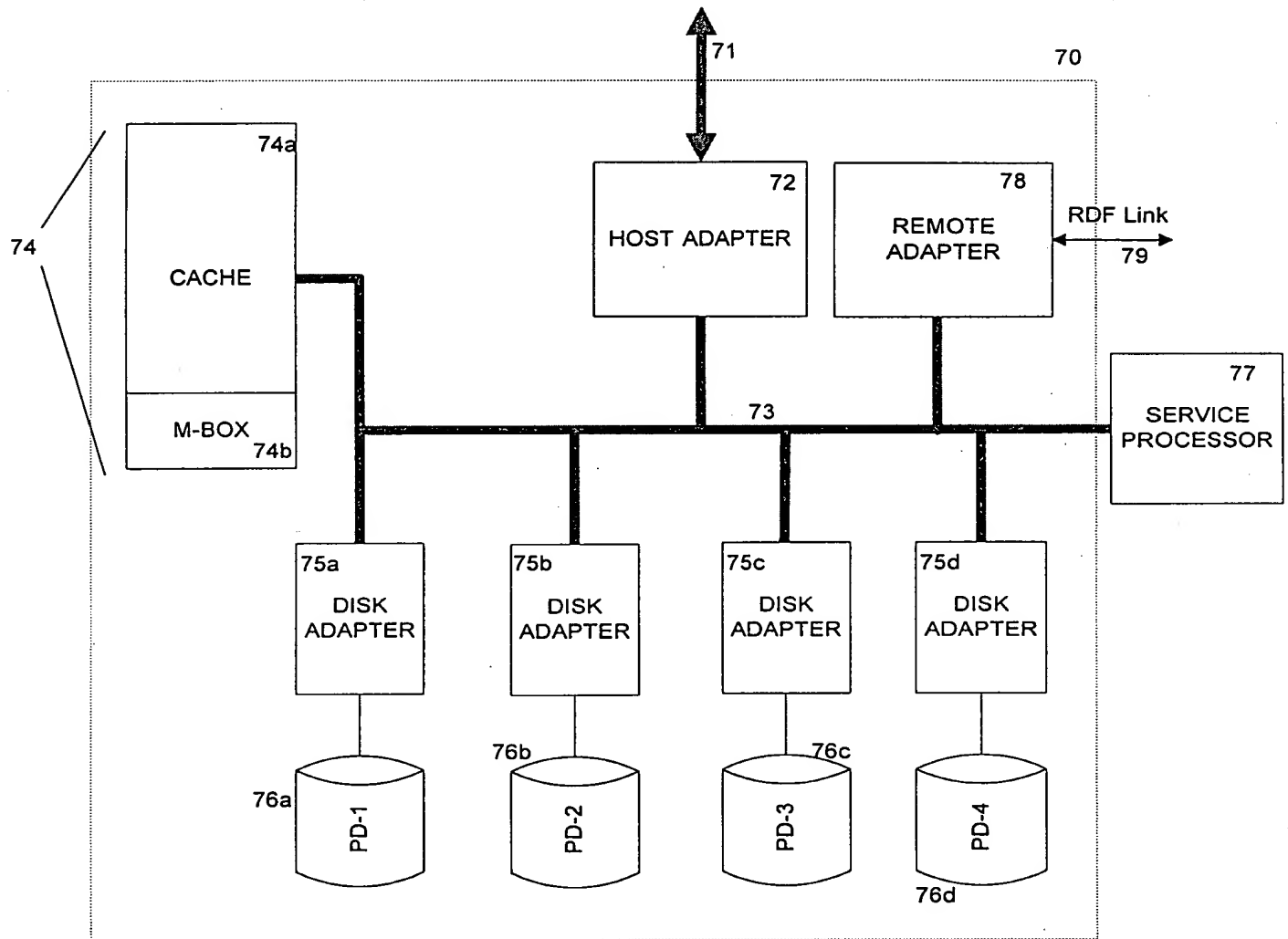


FIG. 7

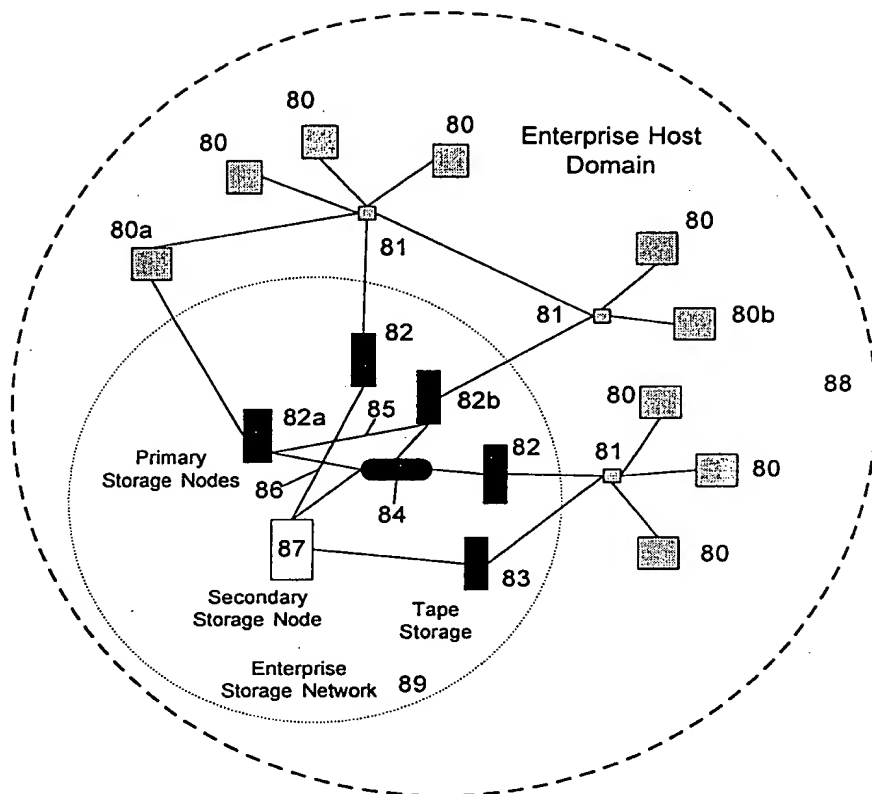


FIG. 8

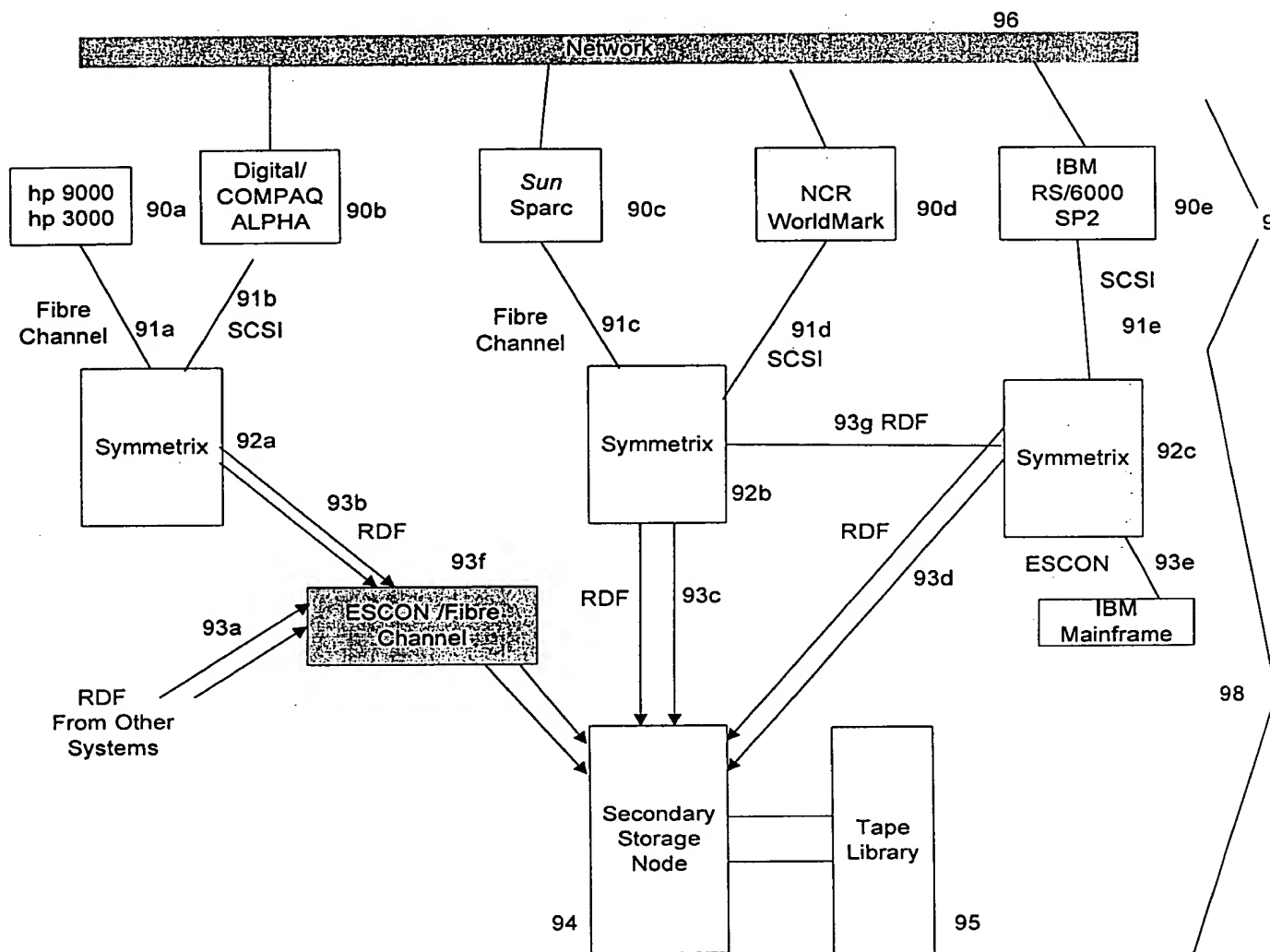


FIG. 9

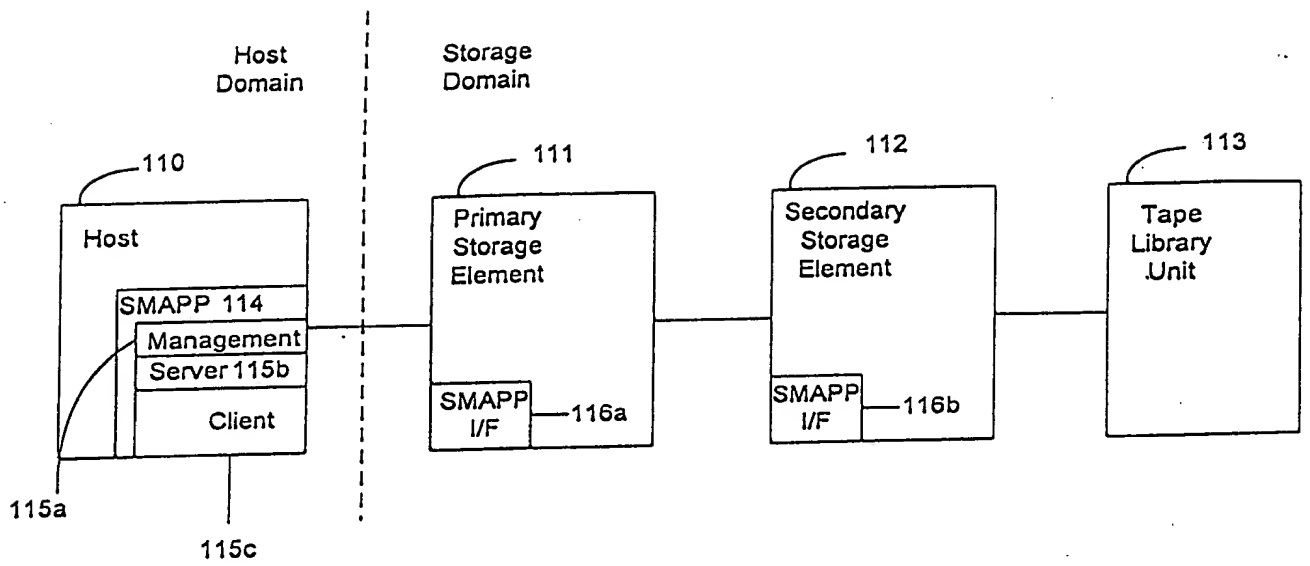


FIG. 10

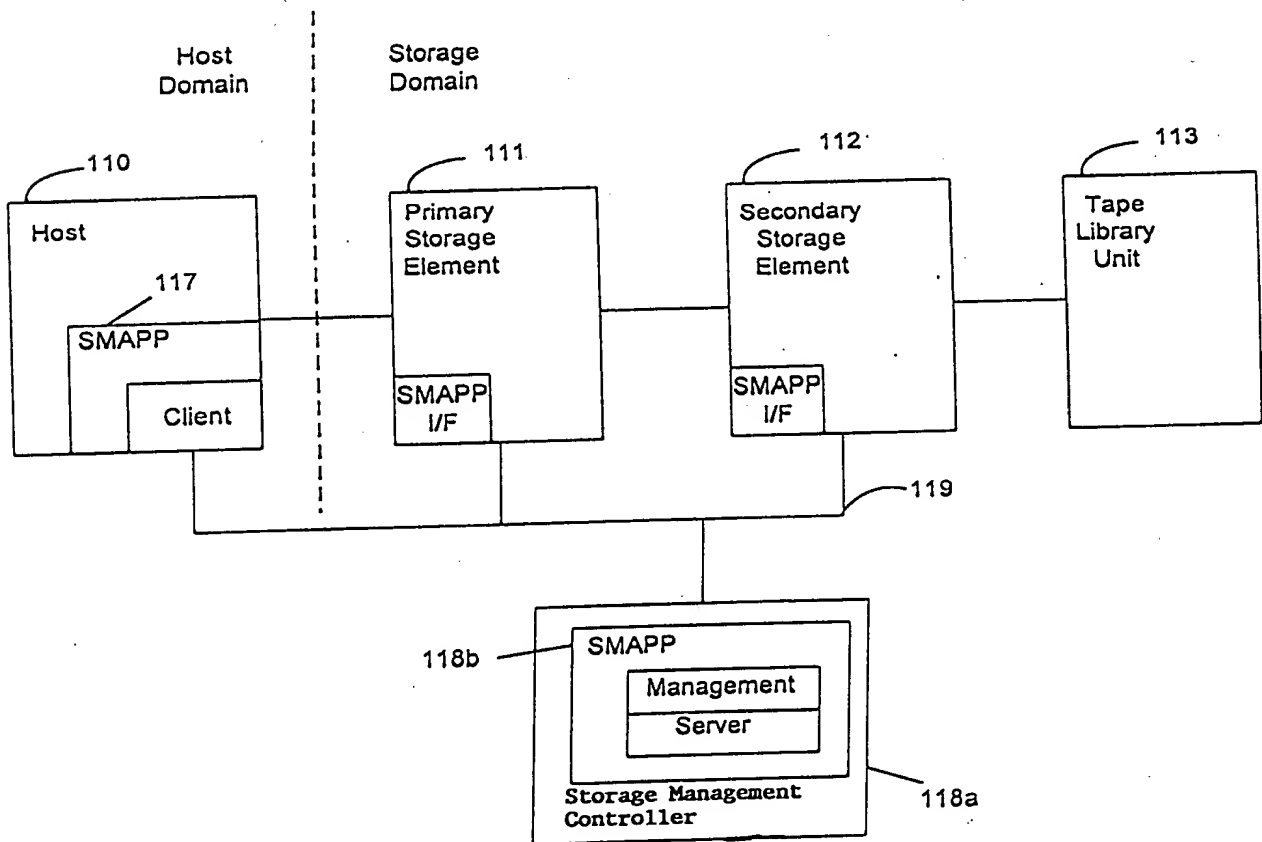


FIG. 11

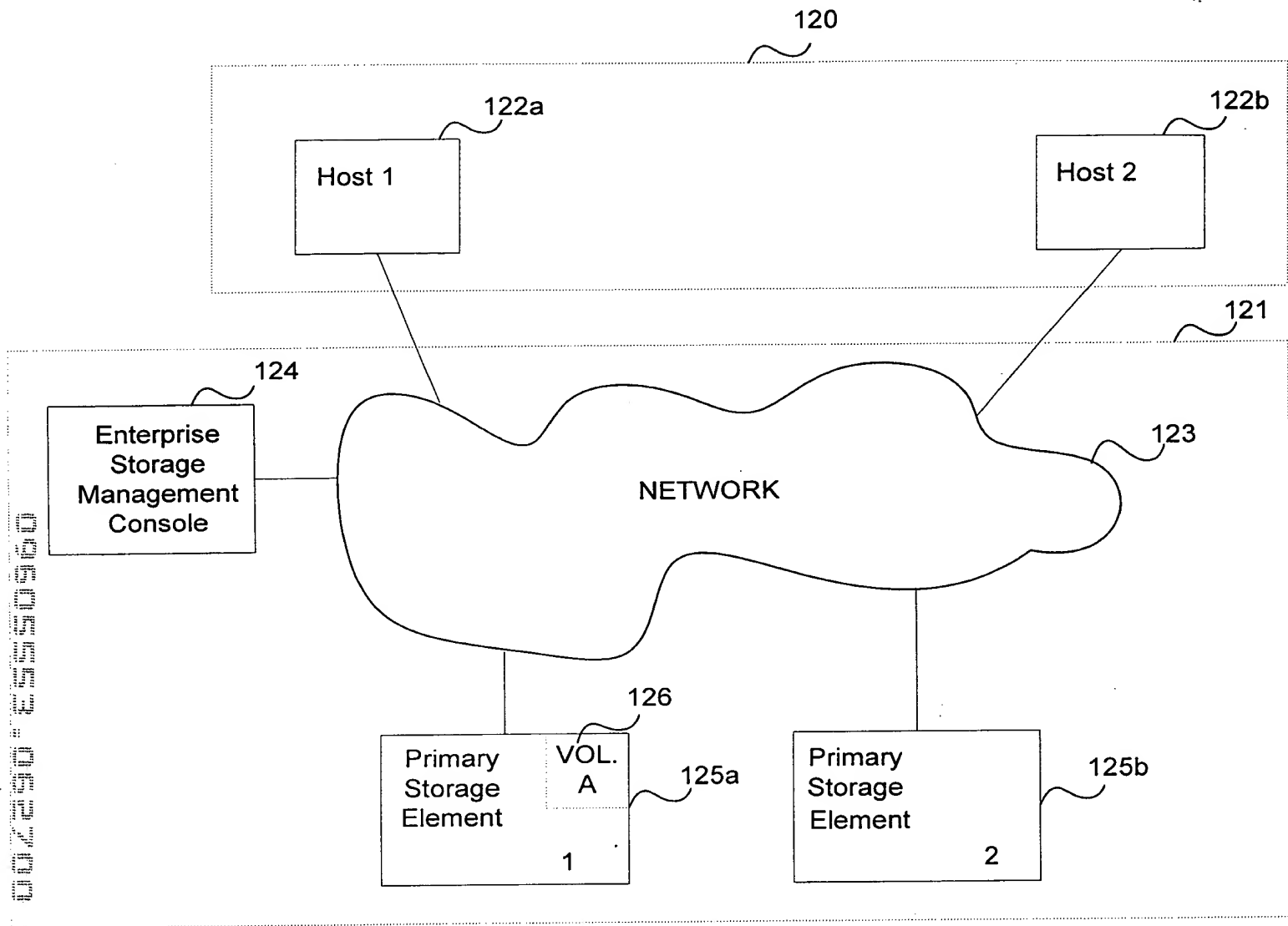


FIG. 12

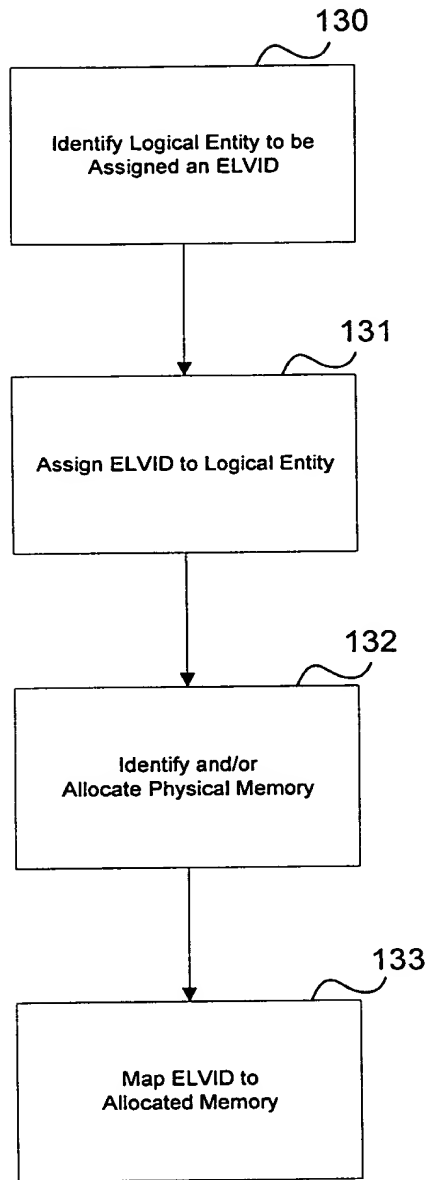


FIG. 13

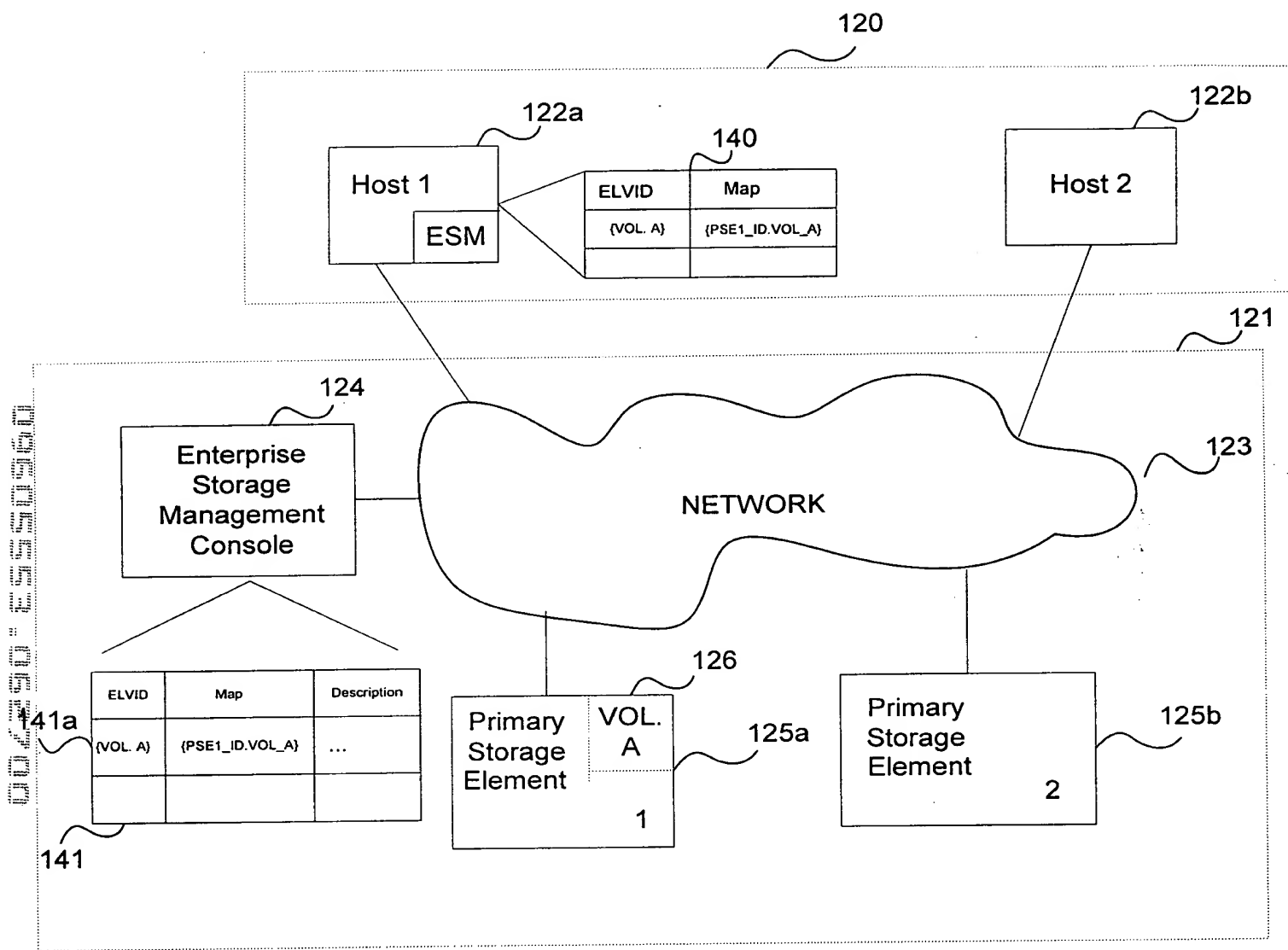
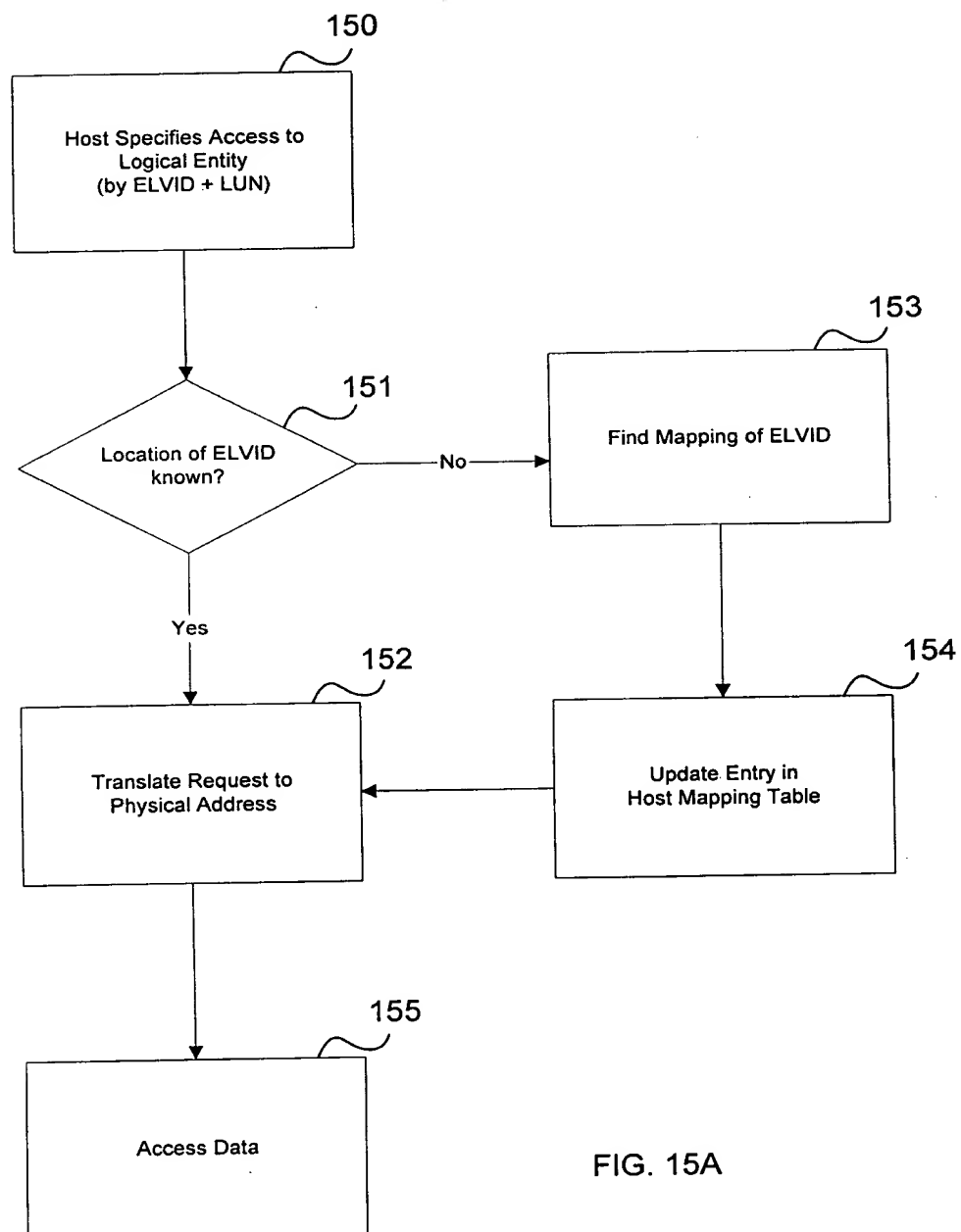


FIG. 14



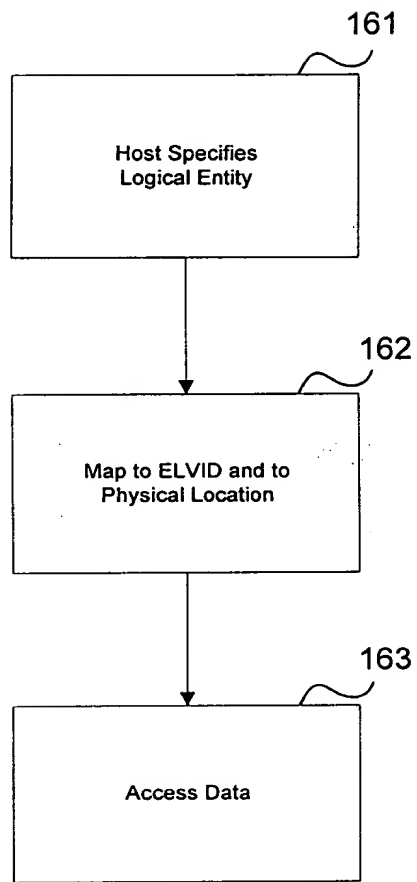


FIG. 16

```
graph TD; 171[Host Specifies Access Using Physical Address] --> 172[ELVID added to Access Request]; 172 --> 173{ELVID/Physical Address Match?}; 173 -- Yes --> 175[Access Data]; 173 -- No --> 174[Update Host Conf. Table]; 174 --> 175;
```

Flowchart 1700 illustrates the process of adding an ELVID to an access request. The process begins with a rectangular block 171 labeled "Host Specifies Access Using Physical Address". An arrow points down from block 171 to a second rectangular block 172 labeled "ELVID added to Access Request". From block 172, an arrow points down to a diamond-shaped decision block 173 labeled "ELVID/Physical Address Match?". From block 173, there are two possible paths: a "Yes" path leading down to a rectangular block 175 labeled "Access Data", and a "No" path leading right to a rectangular block 174 labeled "Update Host Conf. Table". From block 174, an arrow points down and then left to join the path leading to block 175.

FIG. 17

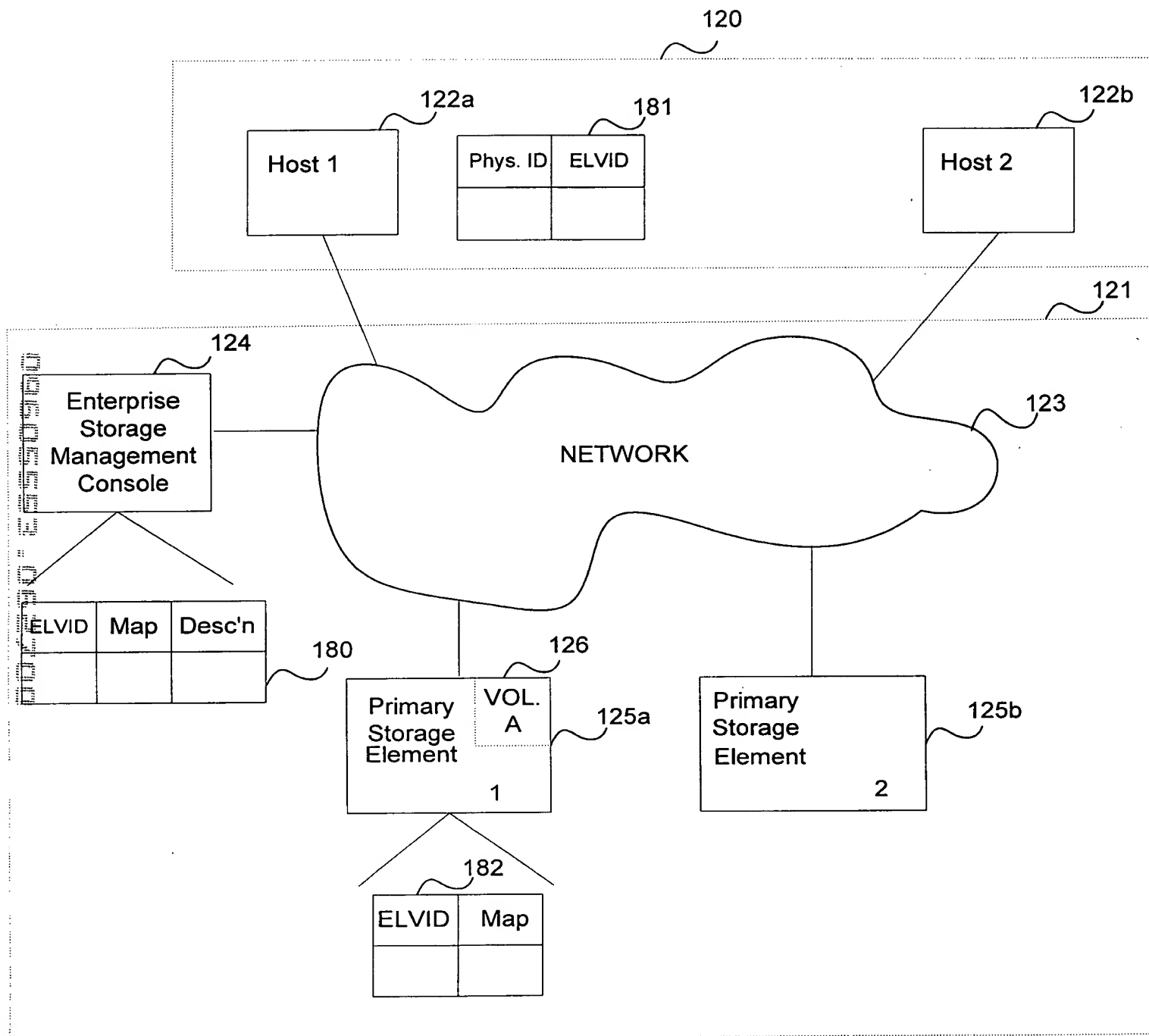


FIG. 18

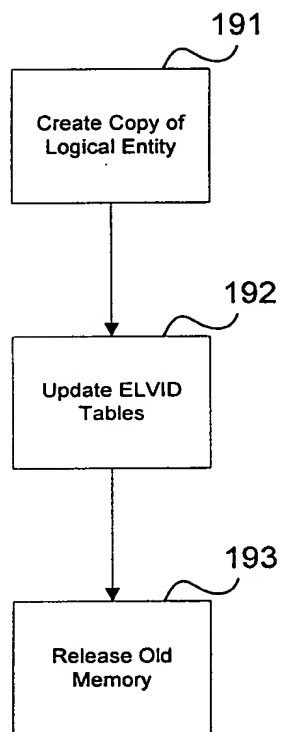


FIG. 19

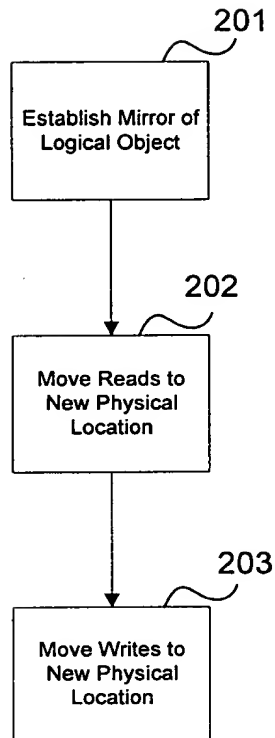


FIG. 20

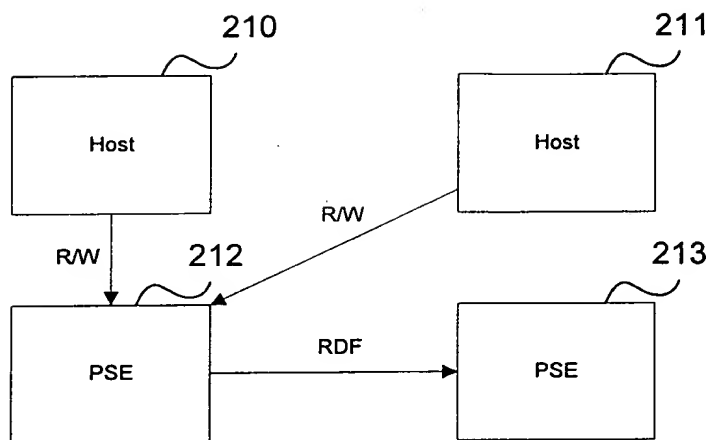


FIG. 21A

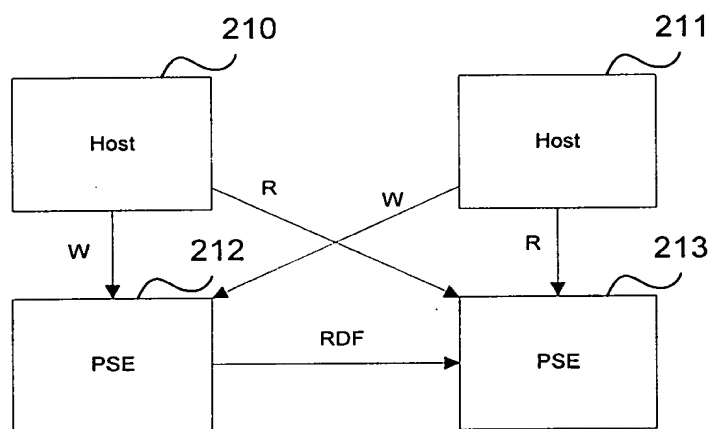
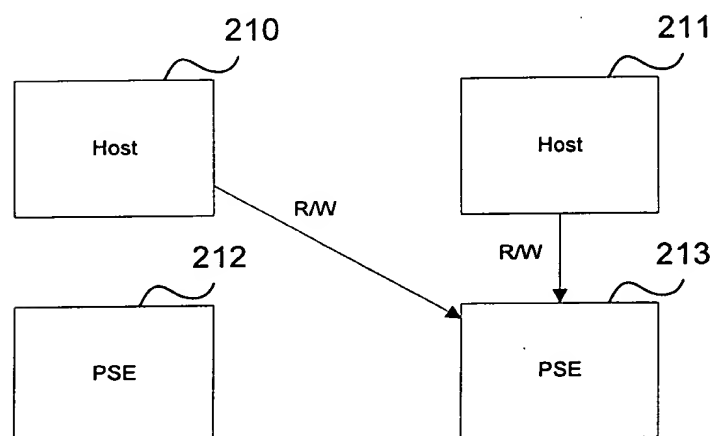


FIG. 21B



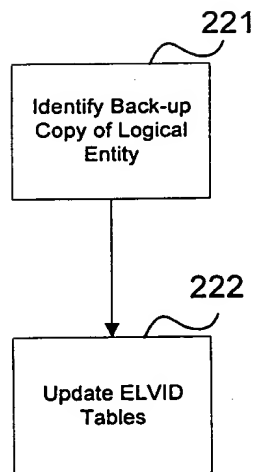


FIG. 22

